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FIG. 1A

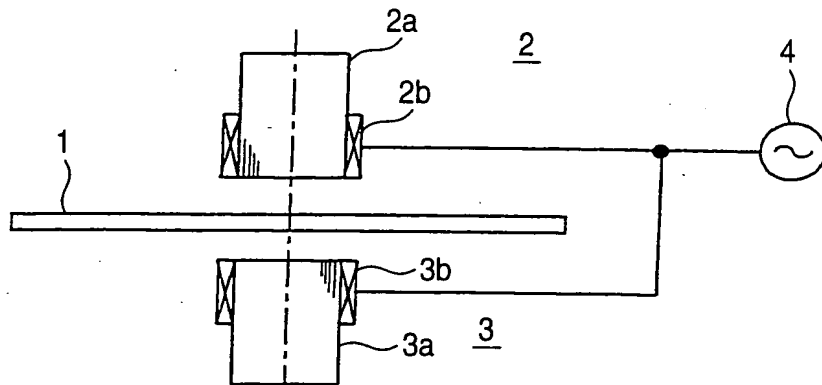
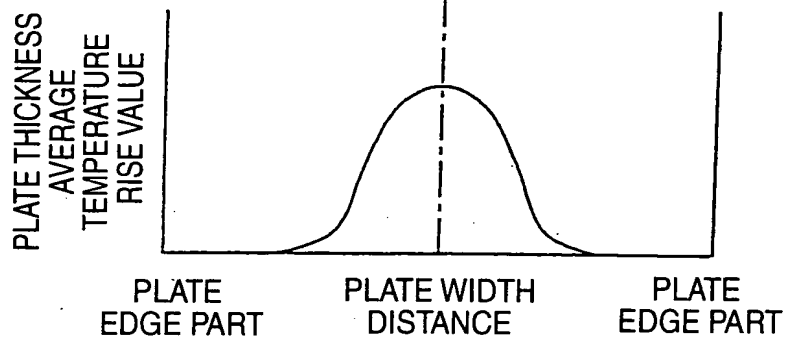


FIG. 1B



1: MATERIAL TO BE ROLLED
 2, 3: INDUCTOR
 2a, 3a: IRON CORE
 2b, 3b: COIL

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FIG. 2

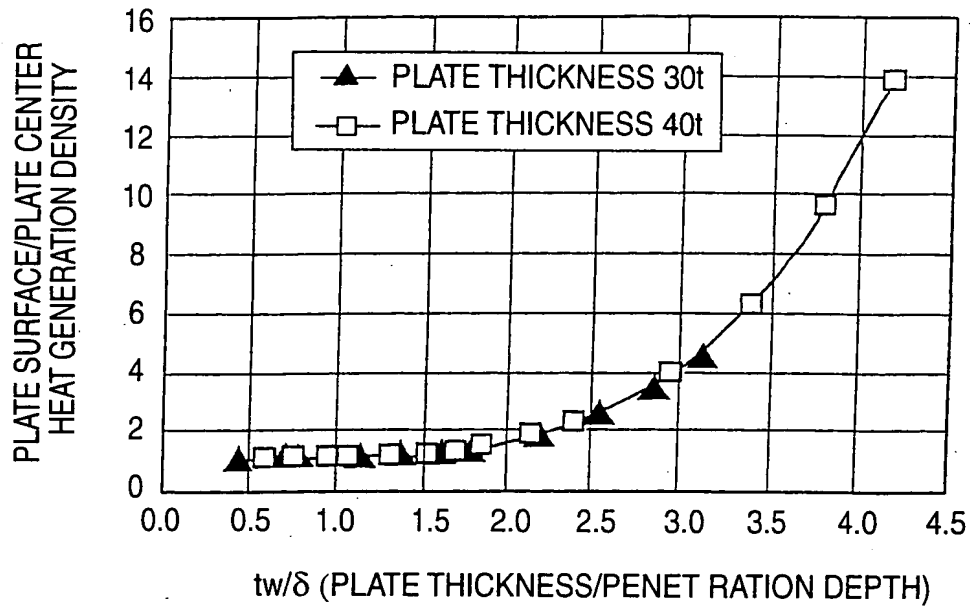
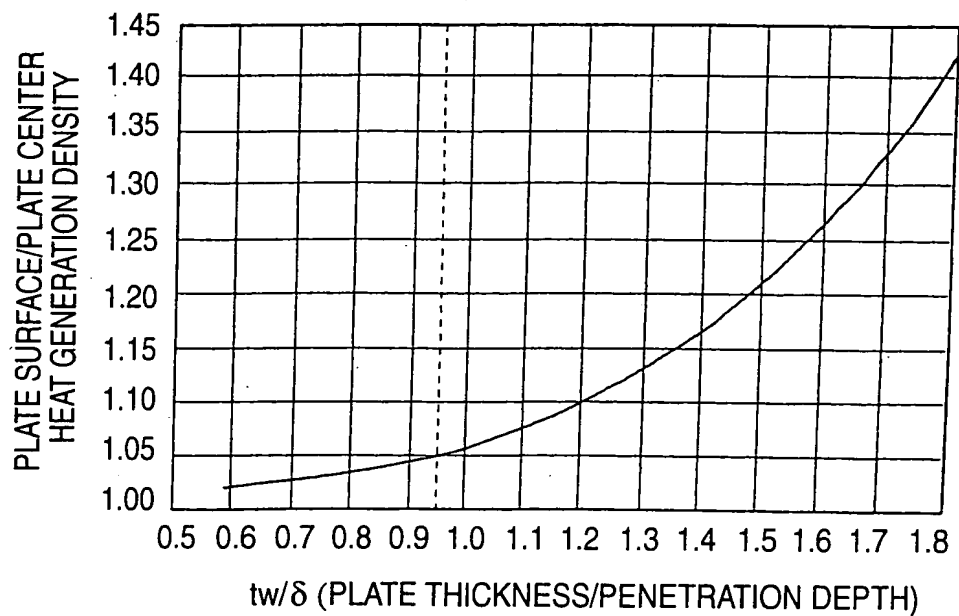
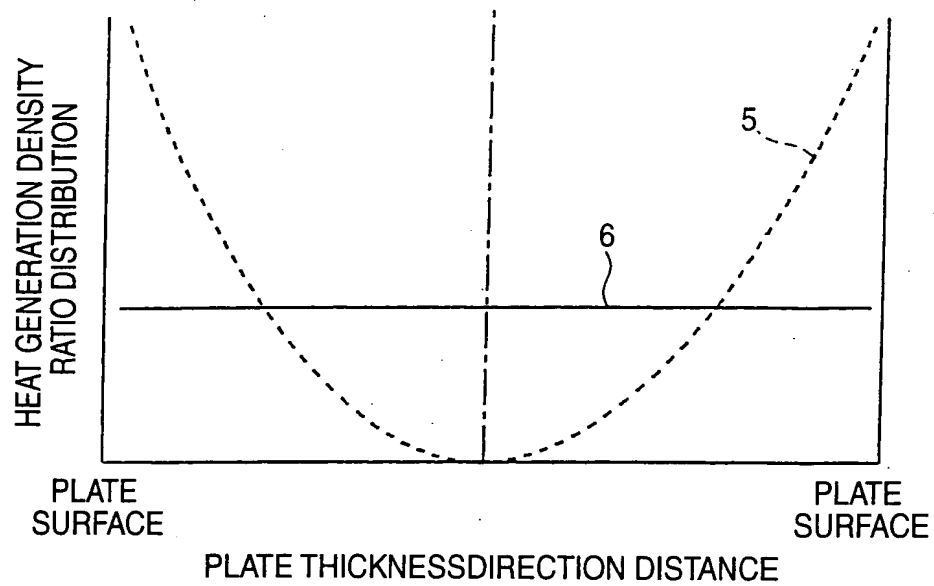


FIG. 3



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FIG. 4



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FIG. 5 A

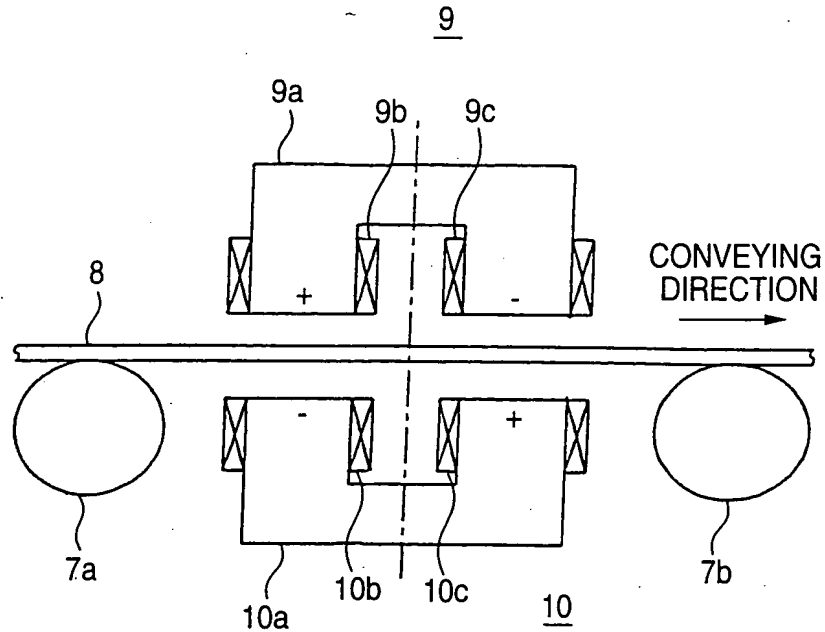


FIG. 5 B

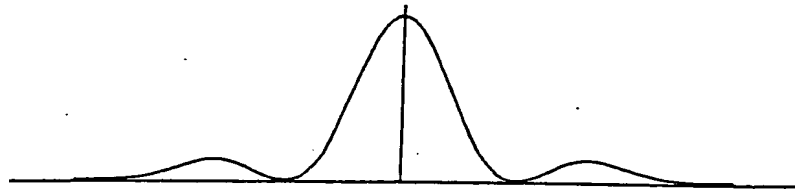
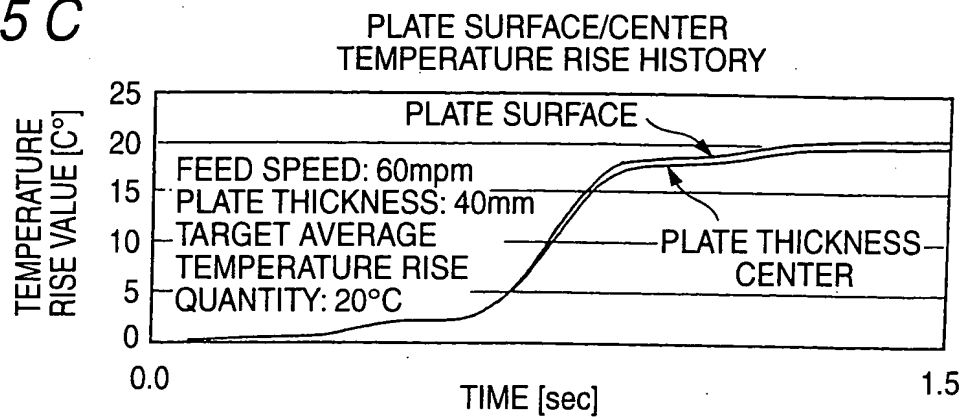


FIG. 5 C



7a, 7b: CONVEYING ROLL

8: MATERIAL TO BE ROLLED

9, 10: INDUCTOR

9a, 10a: IRON CORE

9b, 9c, 10a, 10b, 10c: COIL

FIG. 6

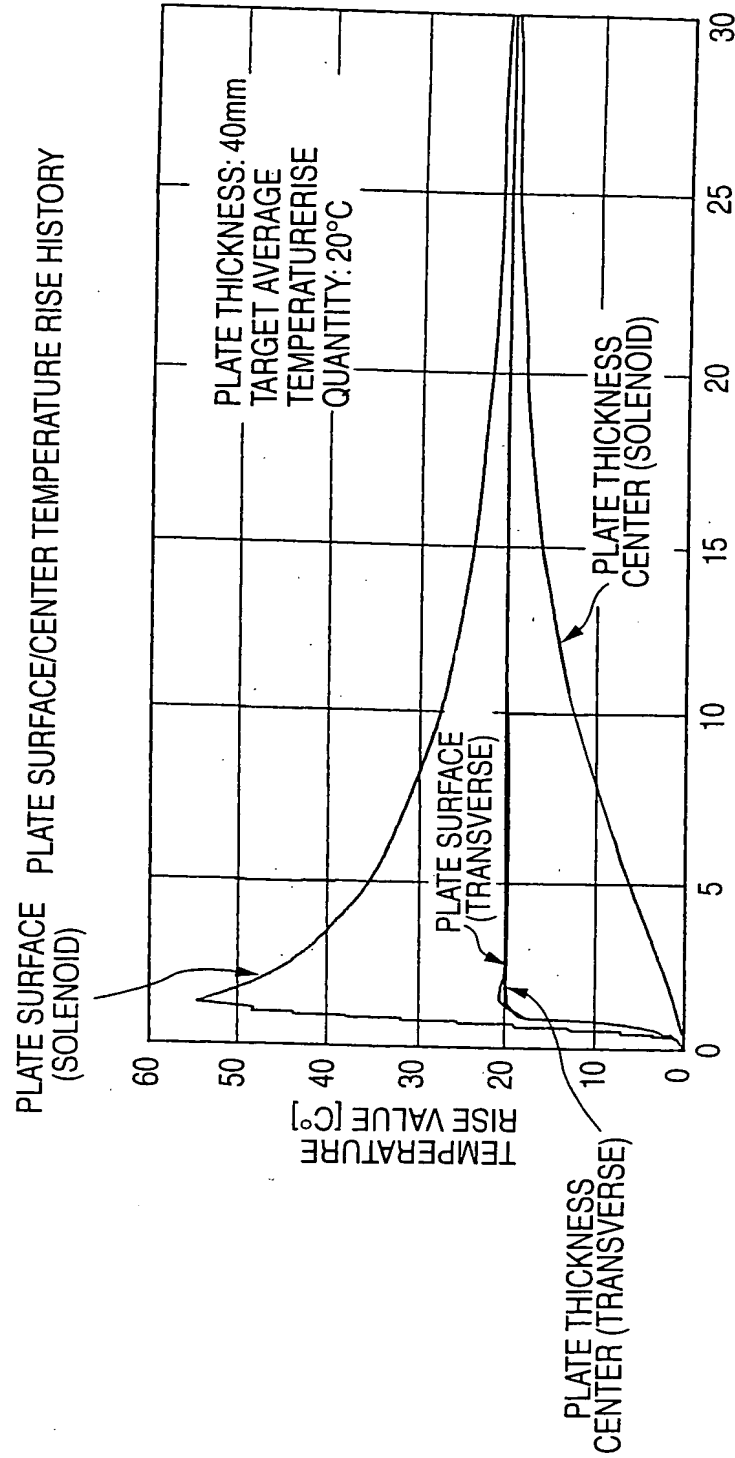


FIG. 7A

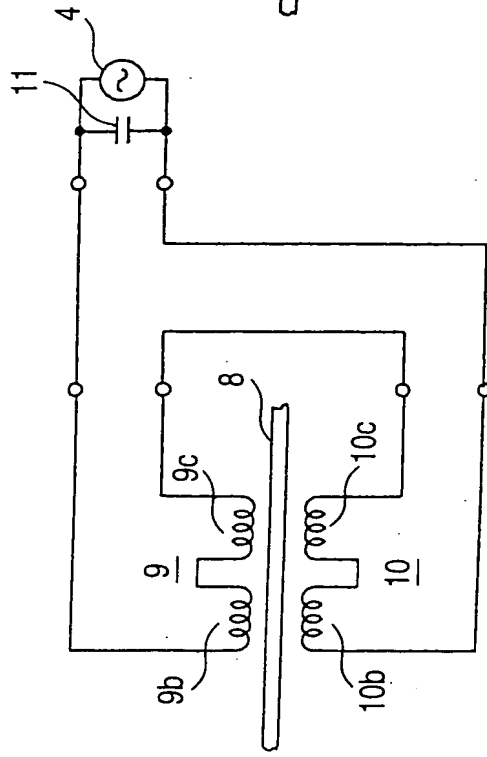
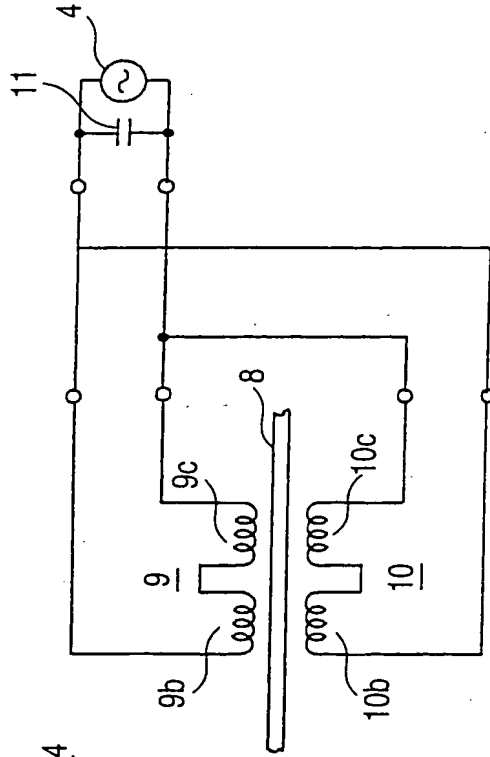


FIG. 7B



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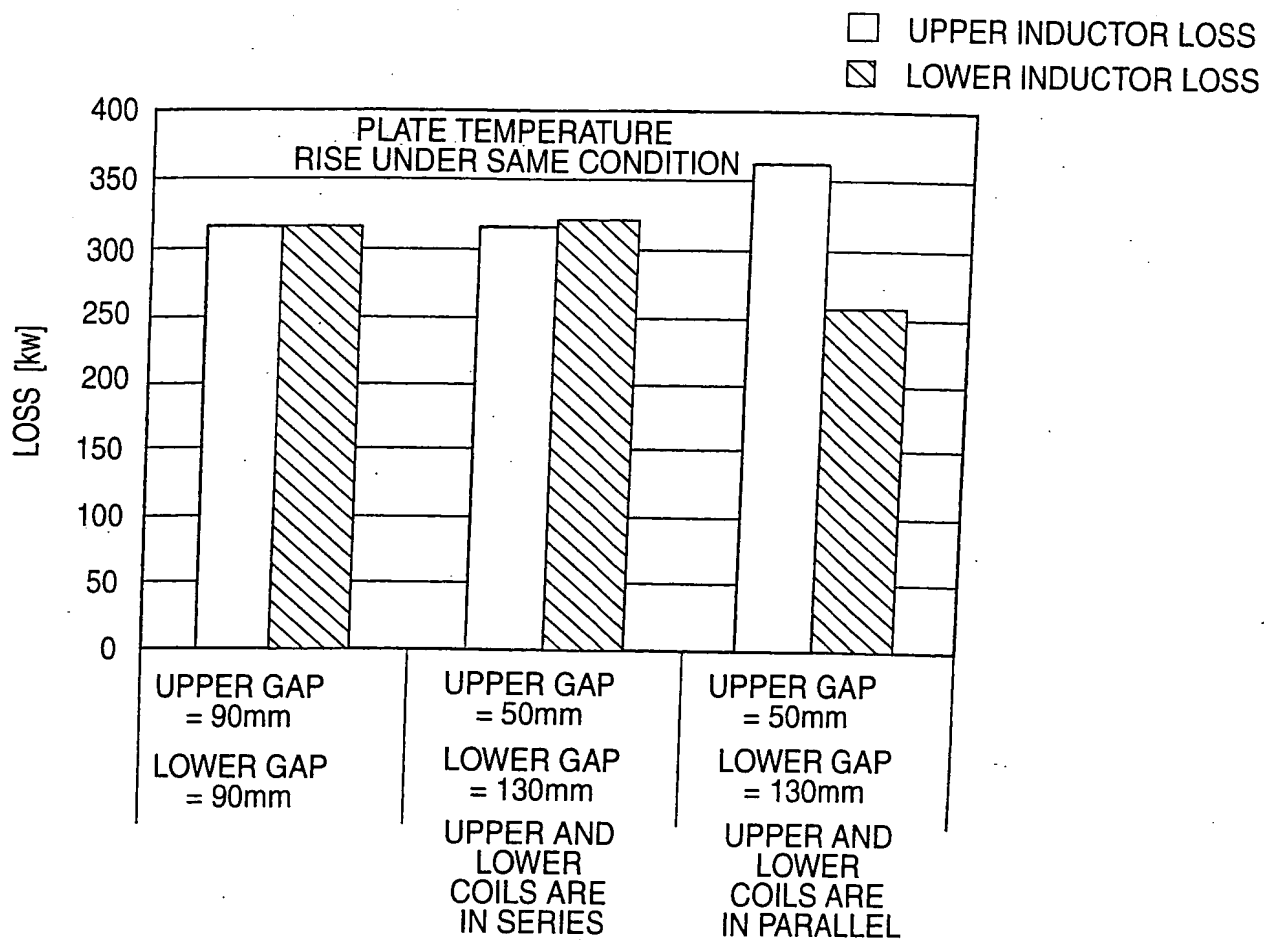
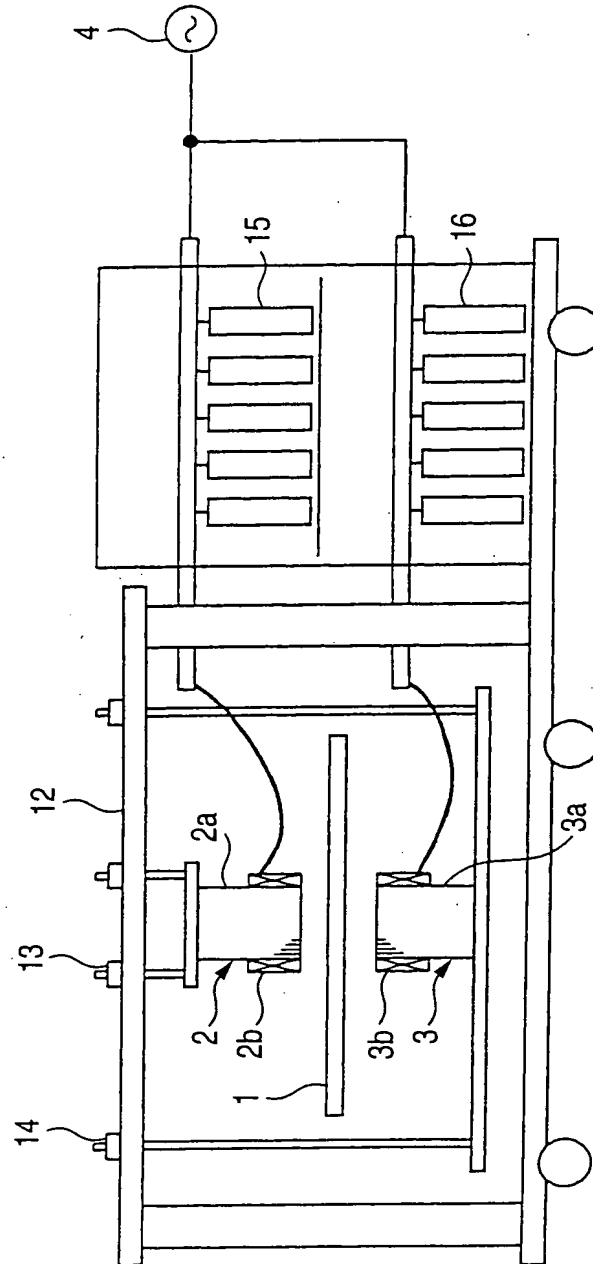


FIG. 8A

FIG. 8B

FIG. 8C

FIG. 9



12,13 : LIFTING AND LOWERING MEANS

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FIG. 10

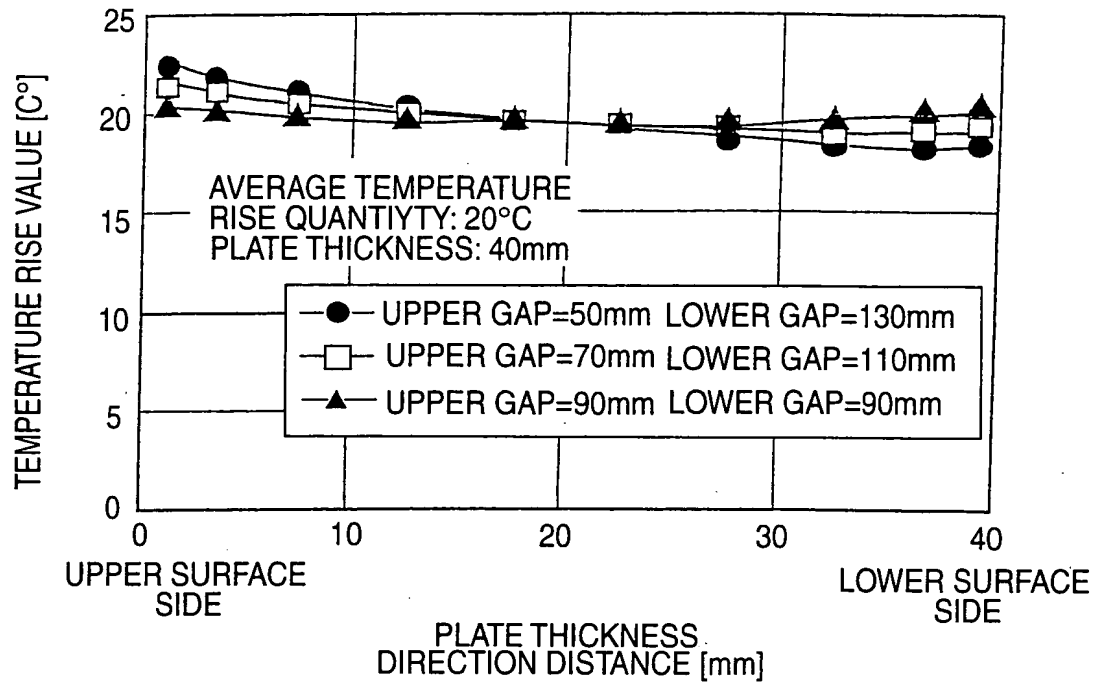
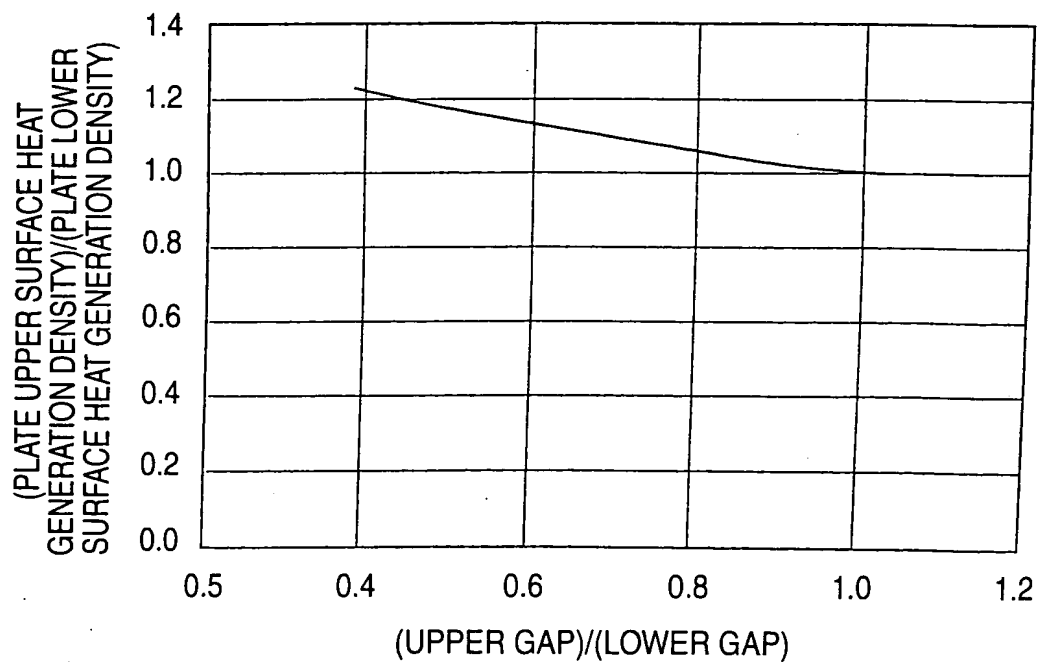
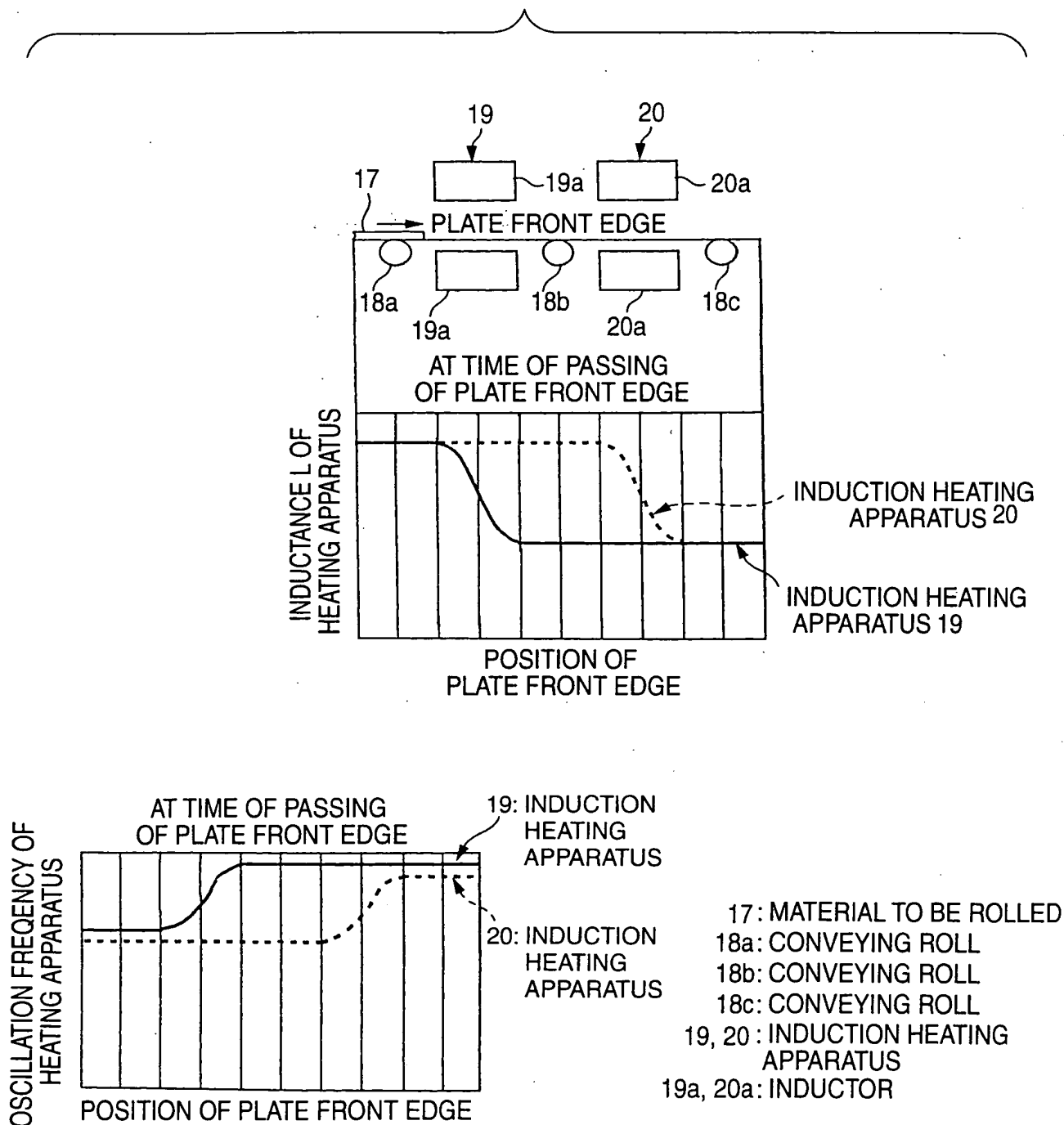


FIG. 11



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FIG. 12A



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FIG. 12B

